

**MODULATION BY MULTIPLE PULSE PER GROUP KEYING  
AND METHOD OF USING THE SAME**

**ABSTRACT OF THE DISCLOSURE**

The present invention provides for a propagated signal using multiple pulse per group keying and a method of using the same. In one embodiment the propagated signal includes: (1) an element of data contained within a time period of the propagated signal, the time period divided into a group of time slots; and (2) multiple pulses distributed in a predetermined manner among the time slots by pulse group keying to encode the data.